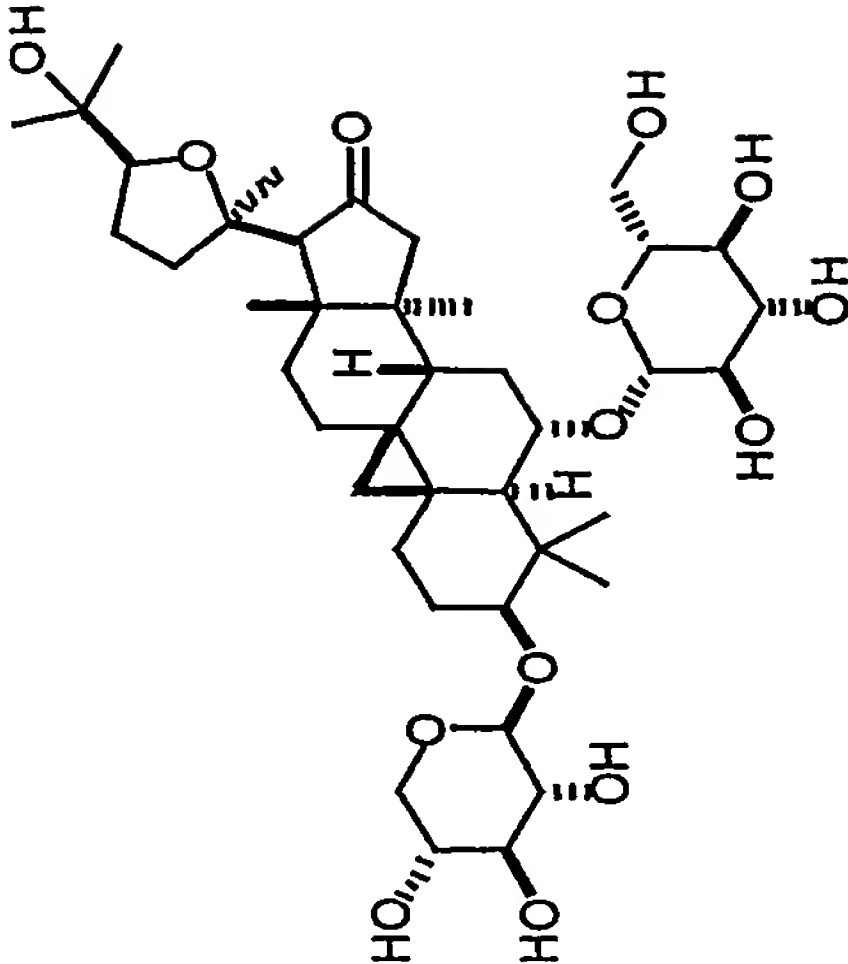


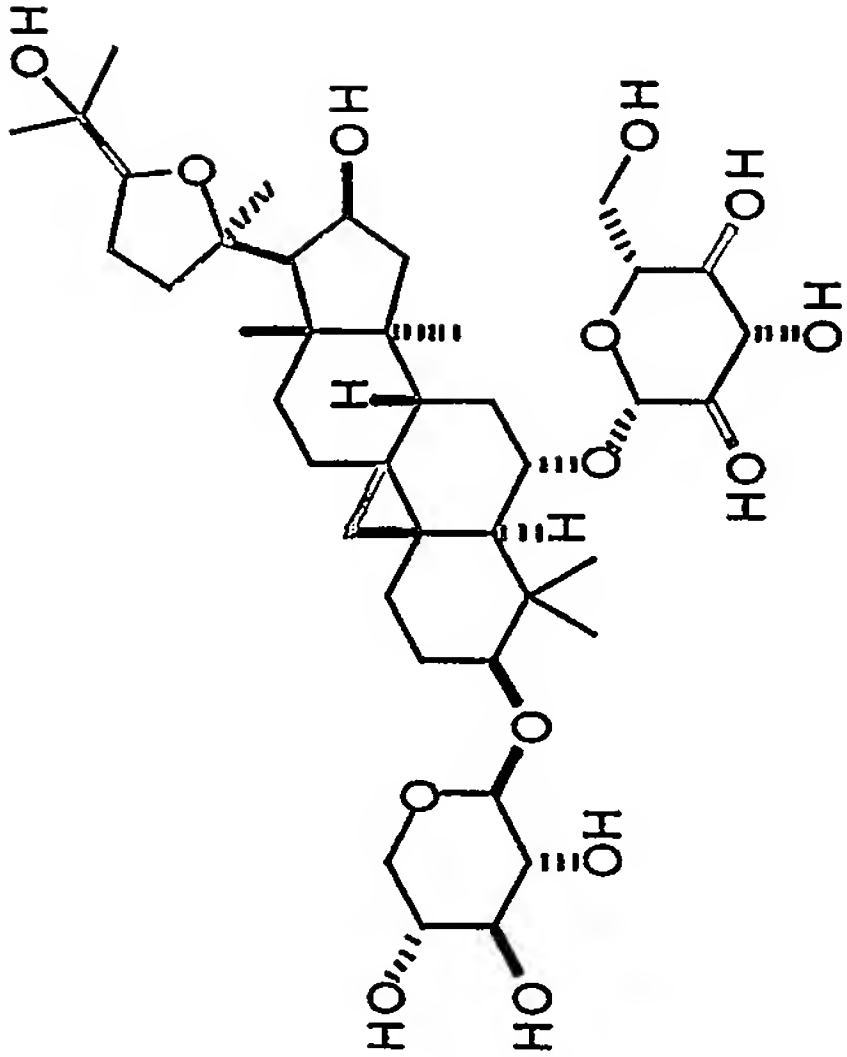
2 (Cycloastragenol)

Fig. 1B



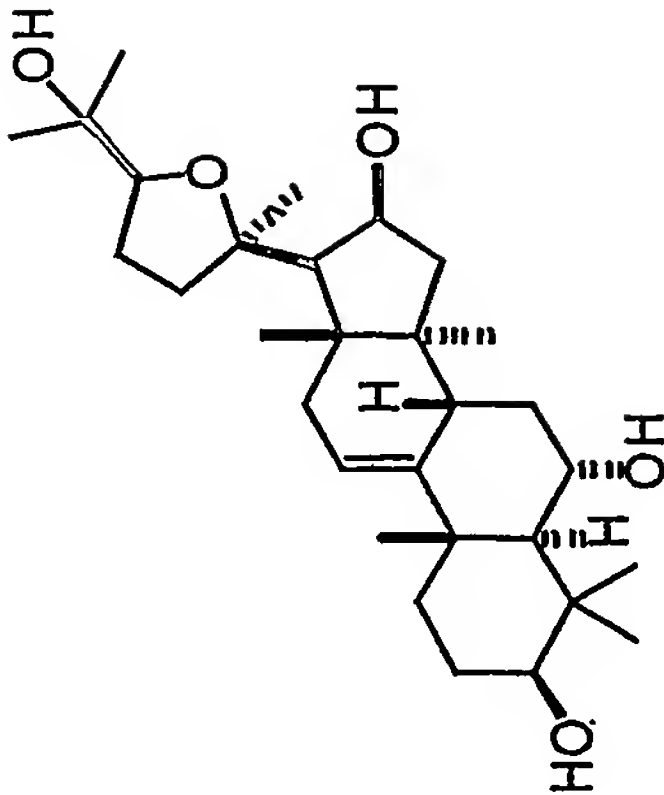
4 (Astragaloside IV 16-one)

Fig. 1D



1 (Astragaloside IV)

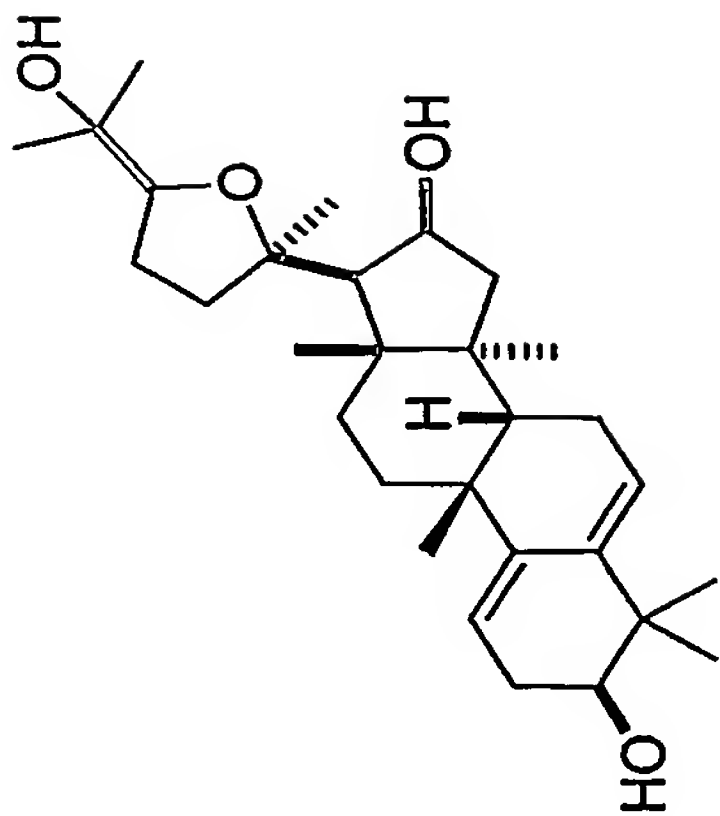
Fig. 1A



3 (Astragenol)

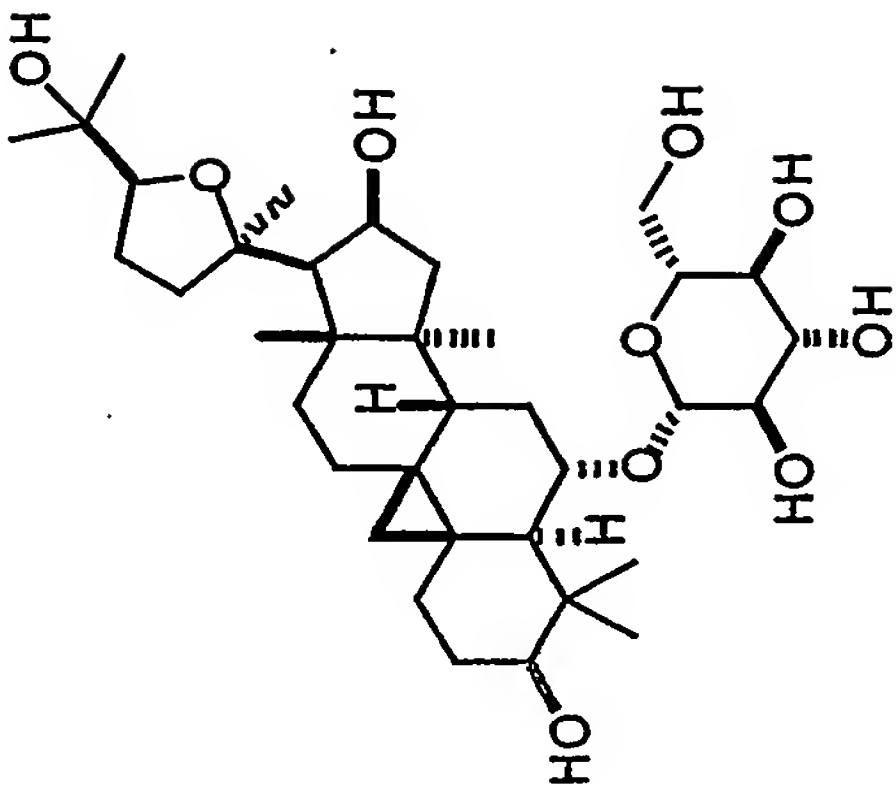
Fig. 1C

Fig. 1



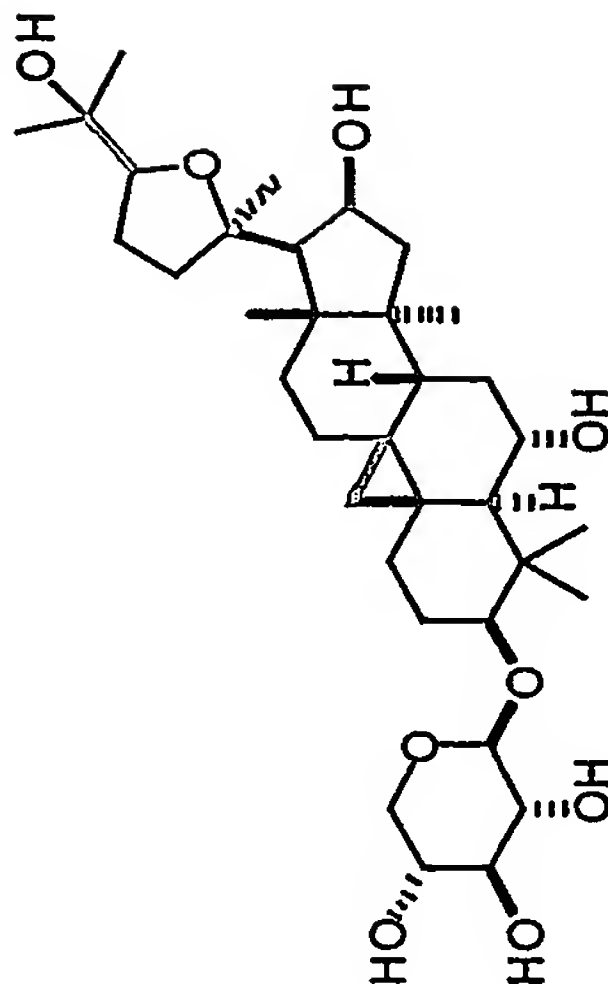
5

Fig. 1E



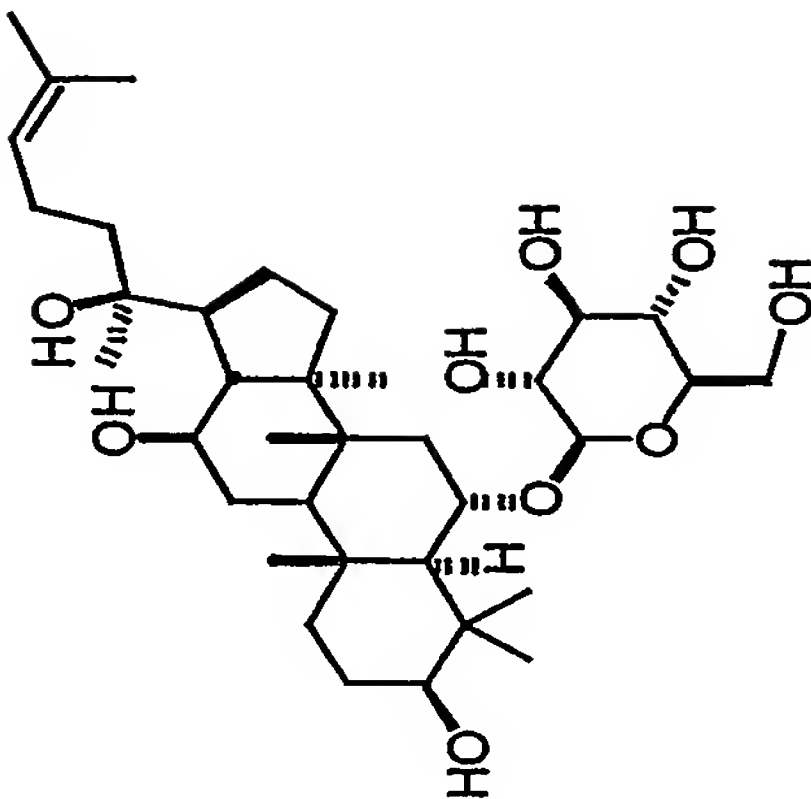
6

Fig. 1F



7

Fig. 1G



8 (Ginsenoside RH1)

Fig. 1H

Effect of 1 on Telomerase Activity in Human Keratinocytes
(HEKn-P KCs PD3-6)

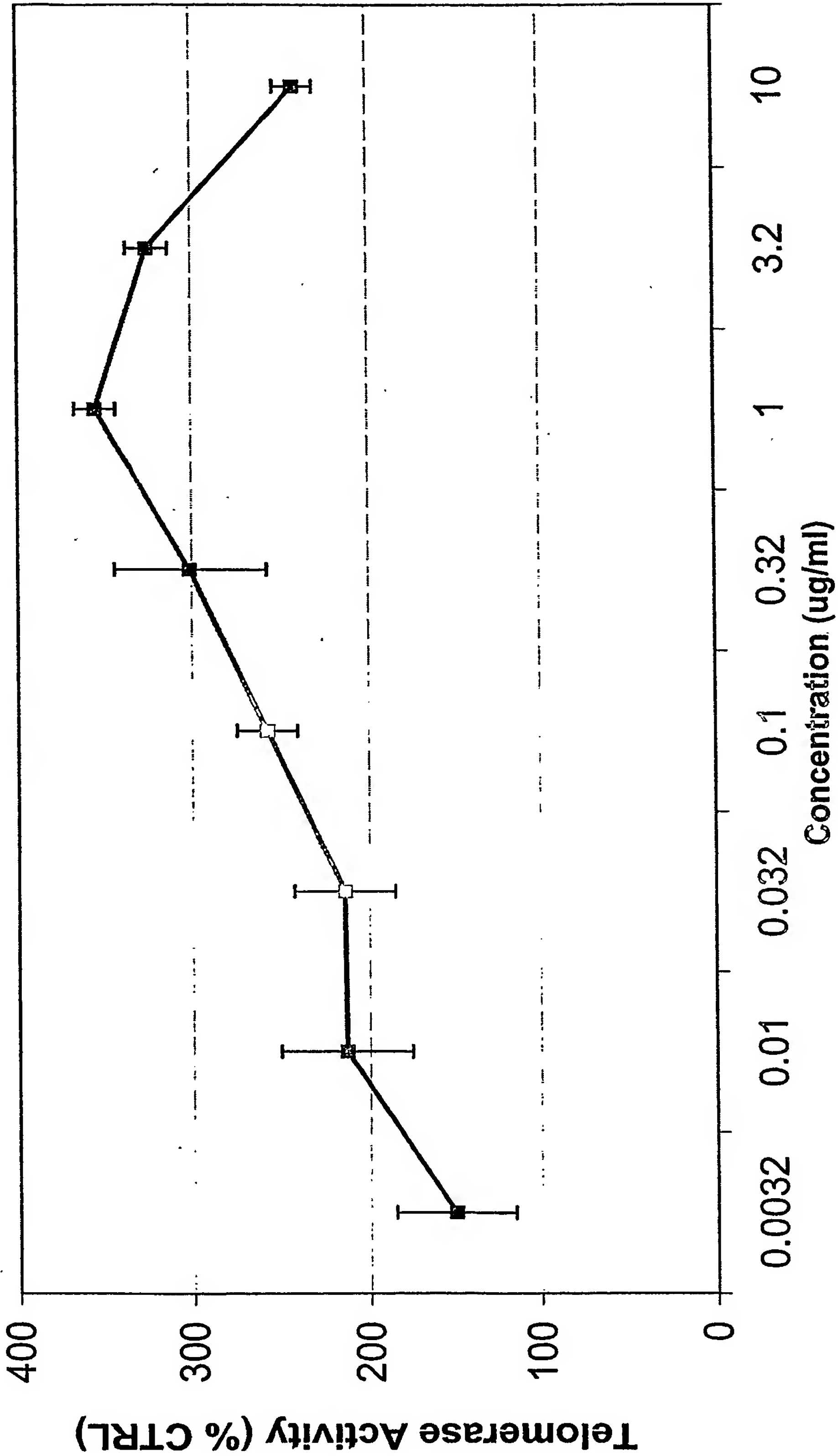


Fig. 2

Effect of 2 on Telomerase Activity in Human Keratinocytes

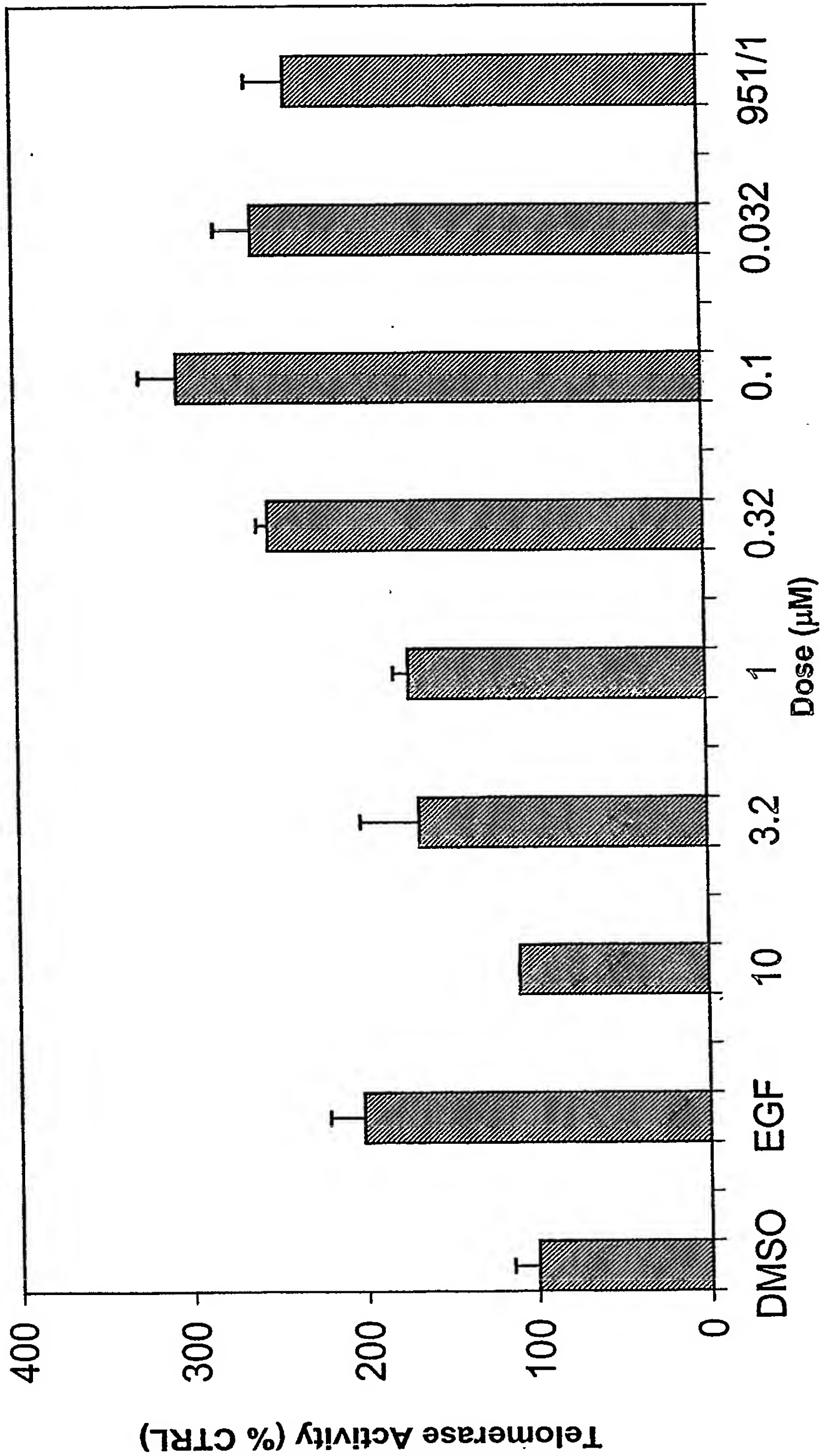


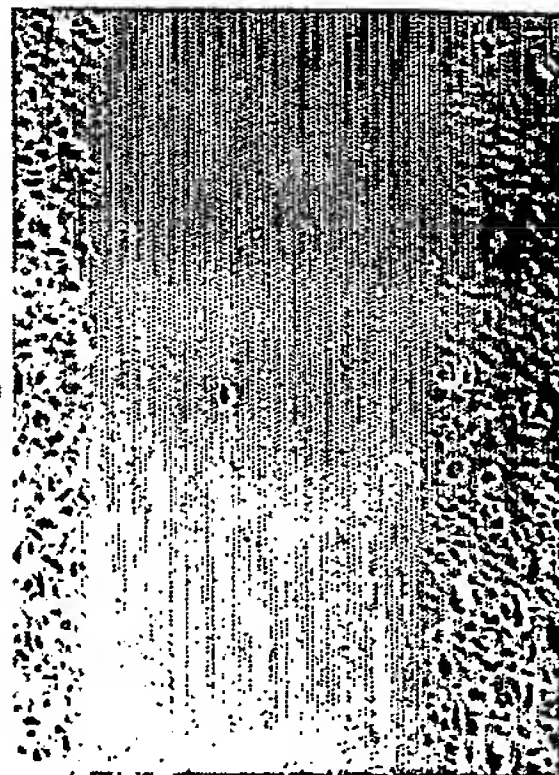
Fig. 3

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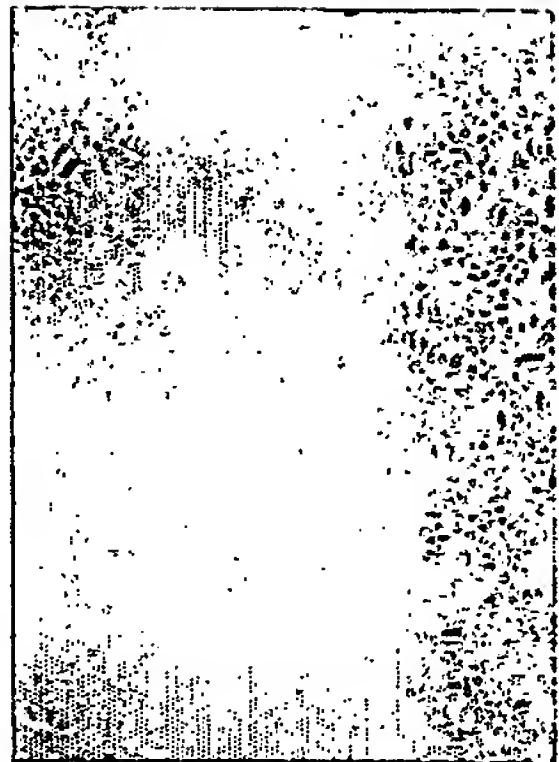
Acceleration of Wound Healing in Aging Adult Keratinocytes (HEKa18, PD32)

CONTROL

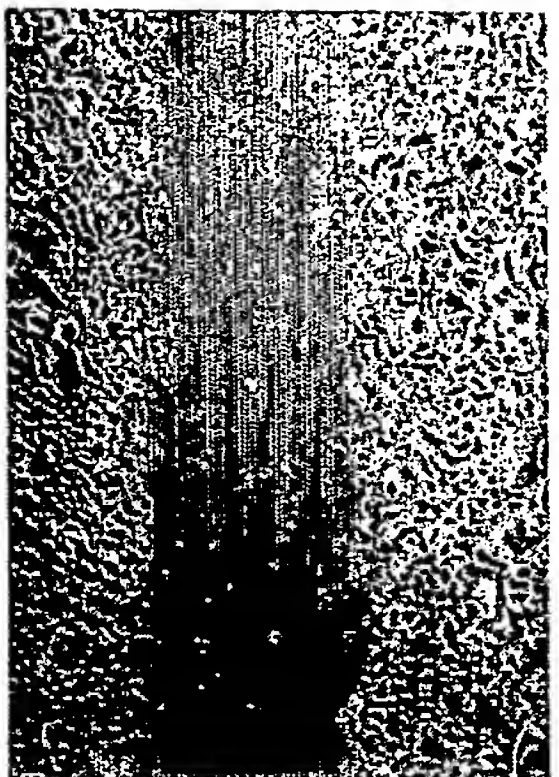
Day 1



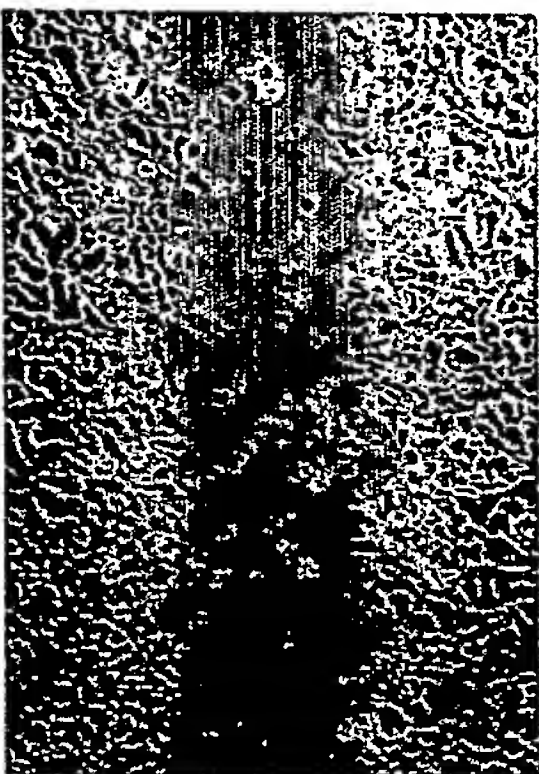
Day 2



Day 3



Day 4



1, 0.1µg/ml (130 nM)

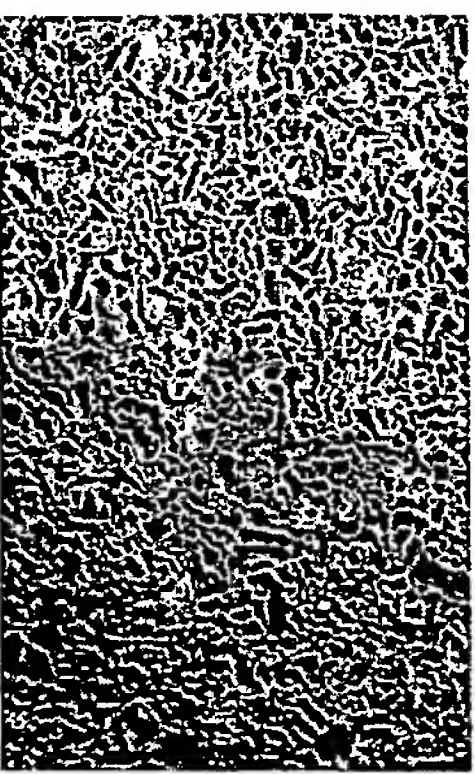
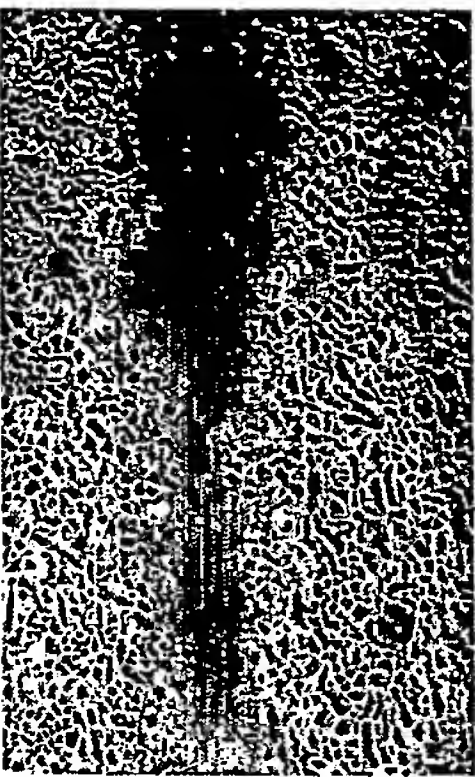
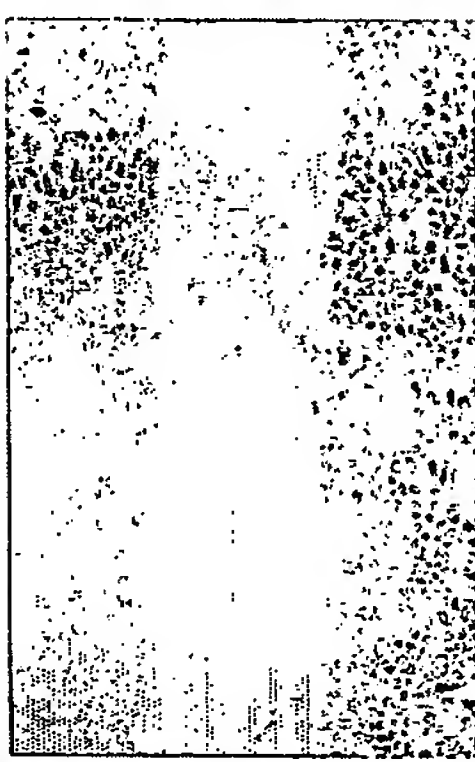
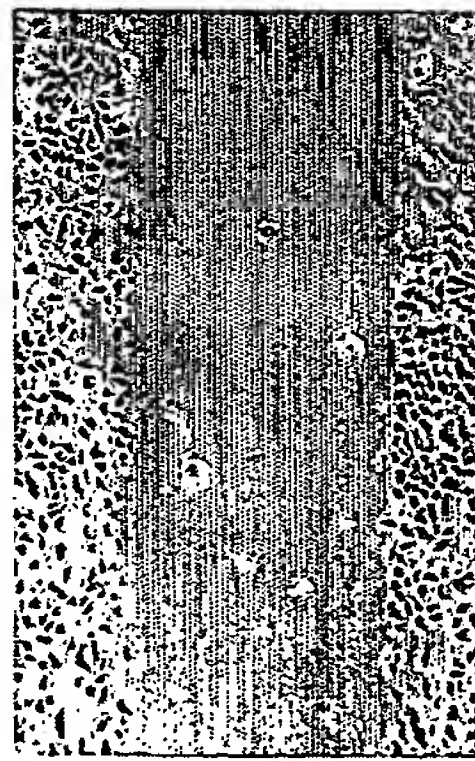
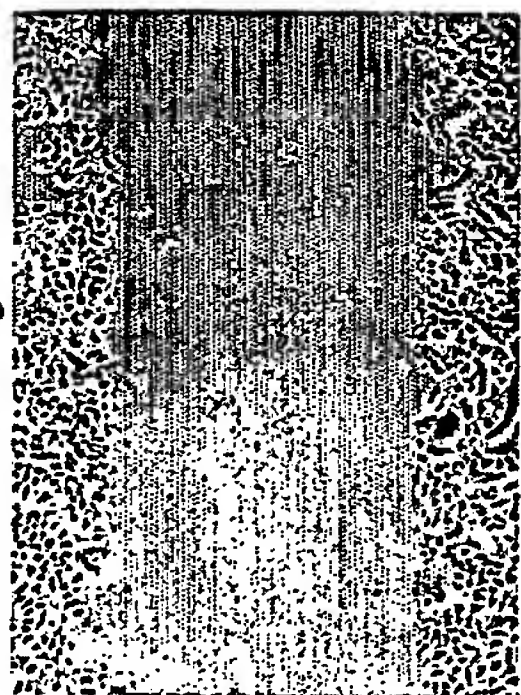


Fig. 4

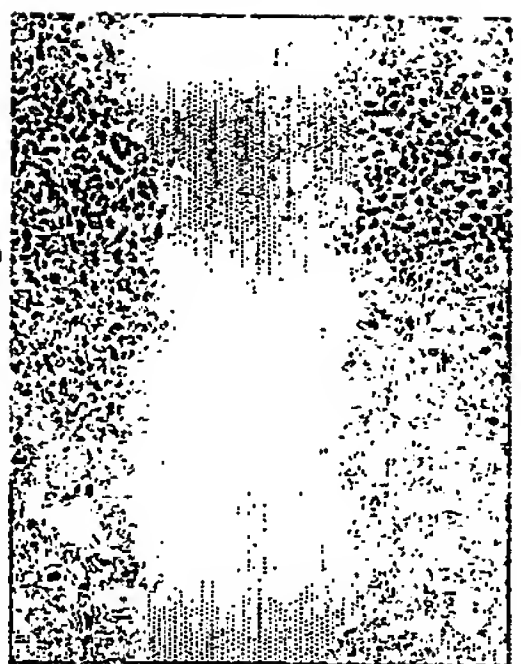
Acceleration of Wound Healing in Young Keratinocytes (HEKn-P, PD14)

CONTROL

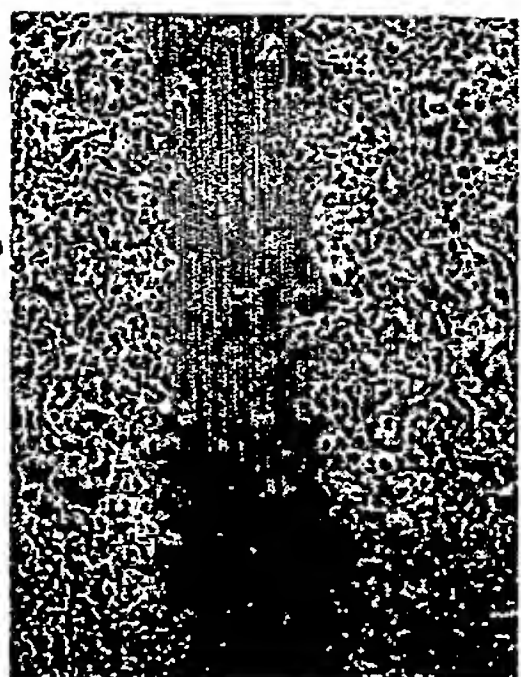
Day 1



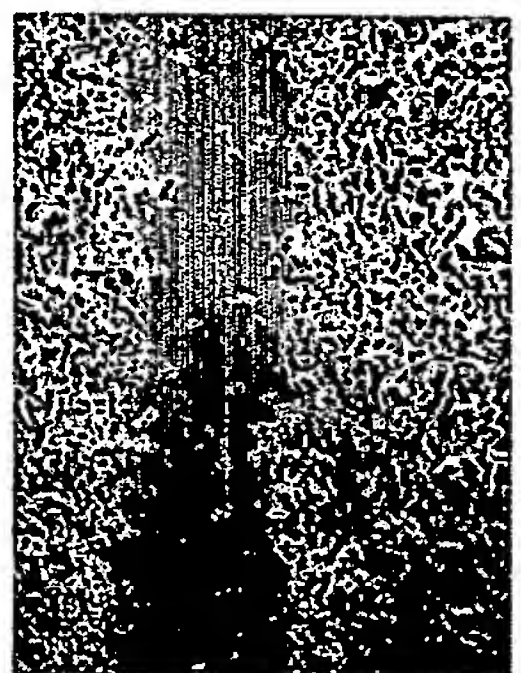
Day 2



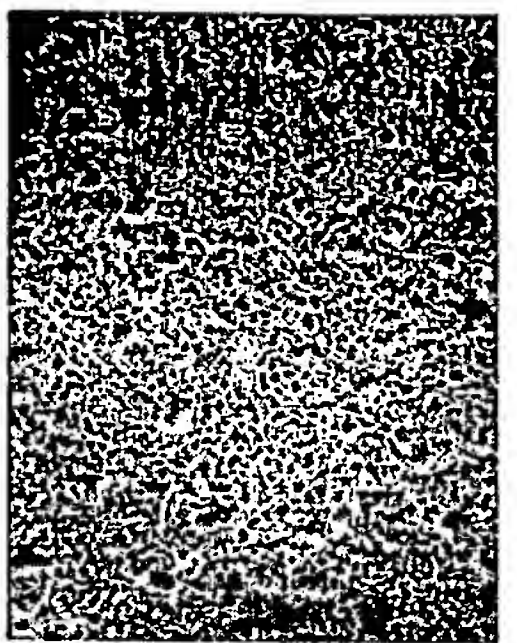
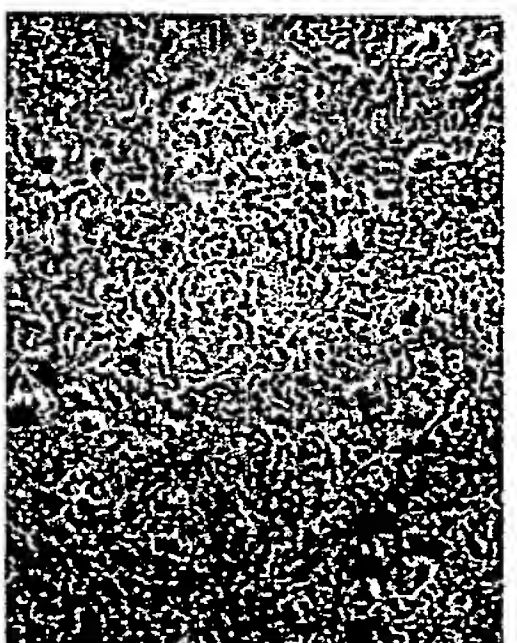
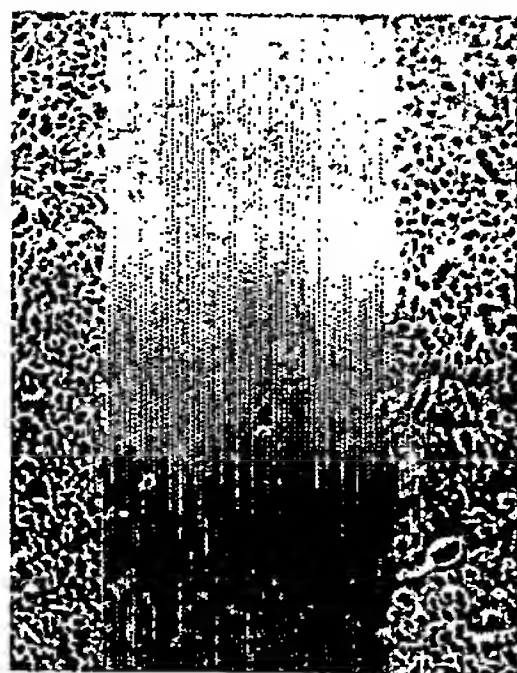
Day 3



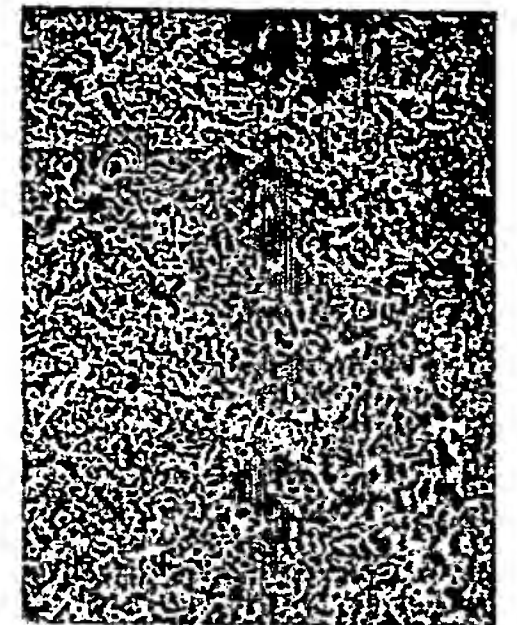
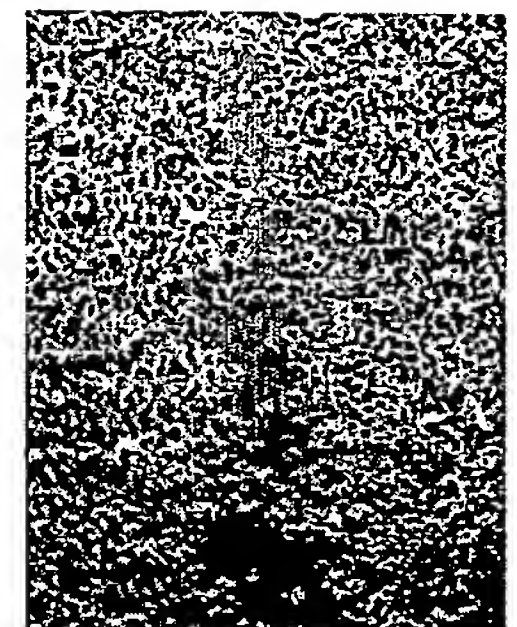
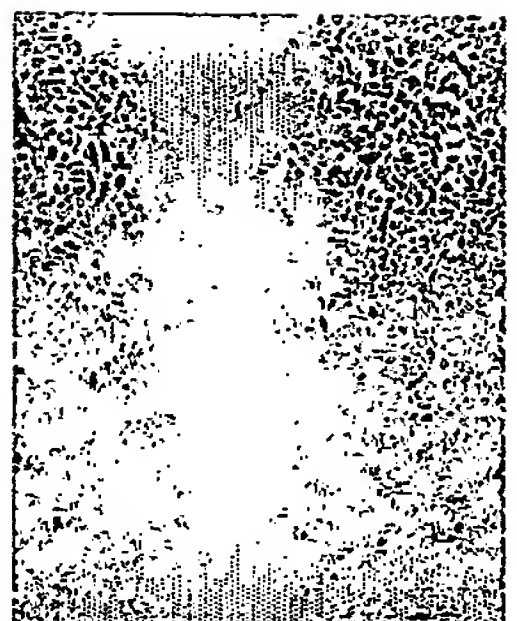
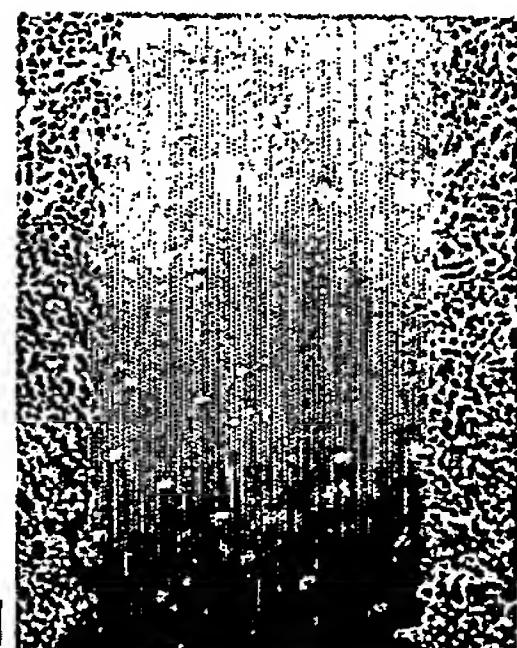
Day 4



1, 12.7 nM



2, 10 nM



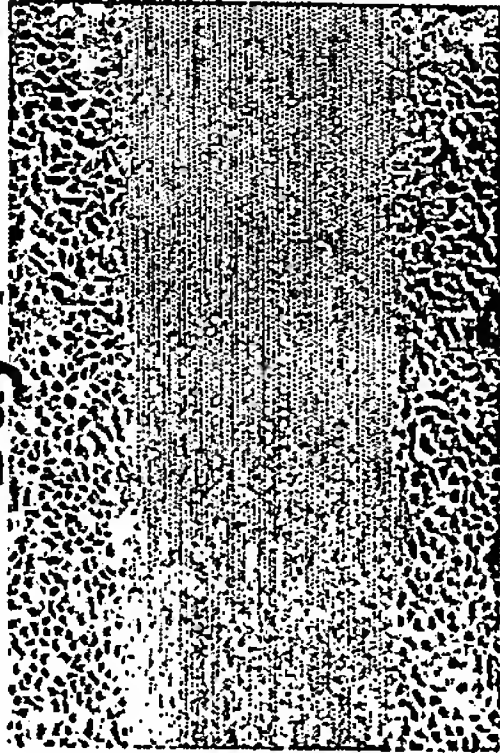
6/8

Fig. 5

Acceleration of Wound Healing in Aging Keratinocytes

1, 1 µg/ml (1.3 µM)

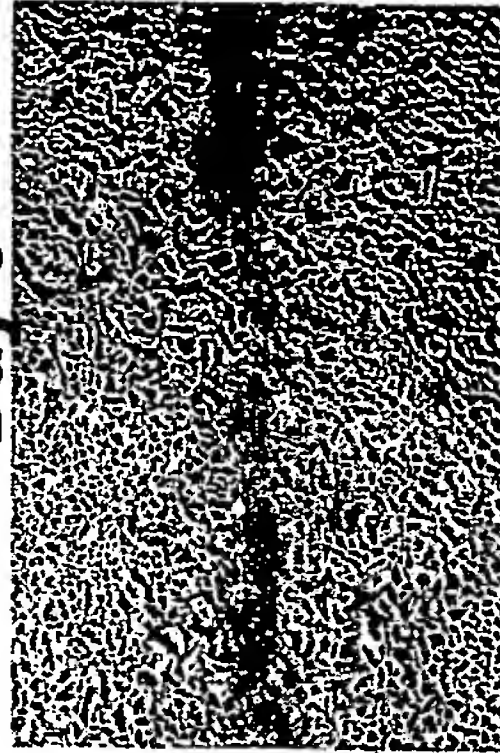
Day 1



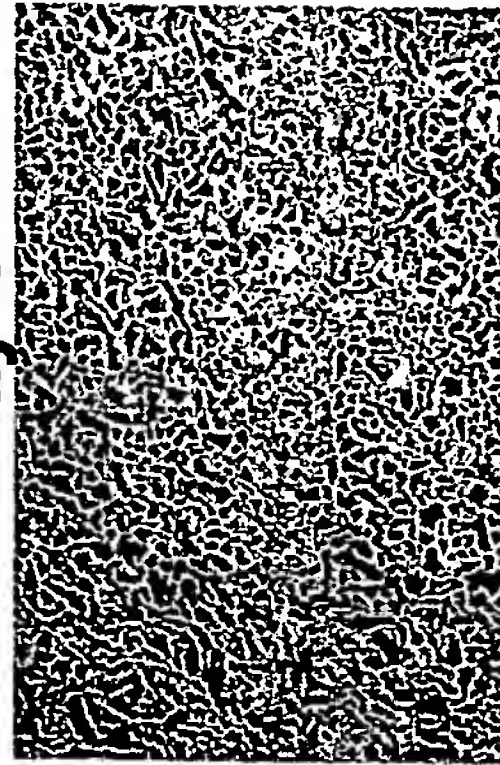
Day 2



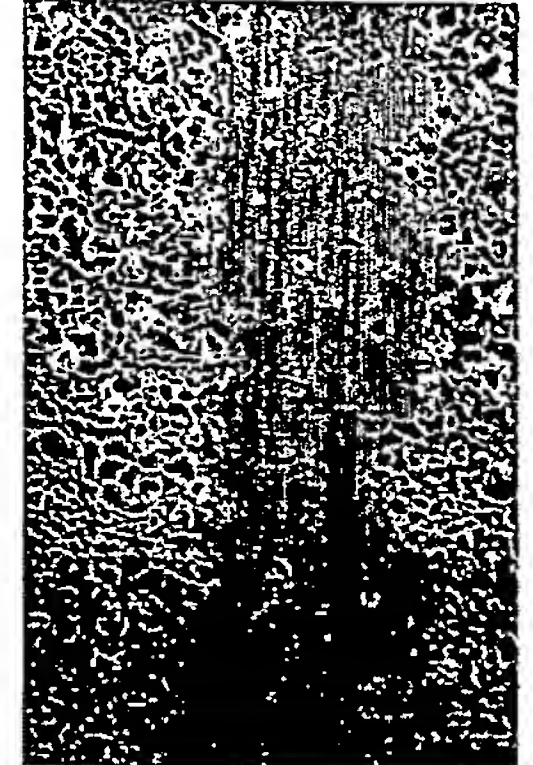
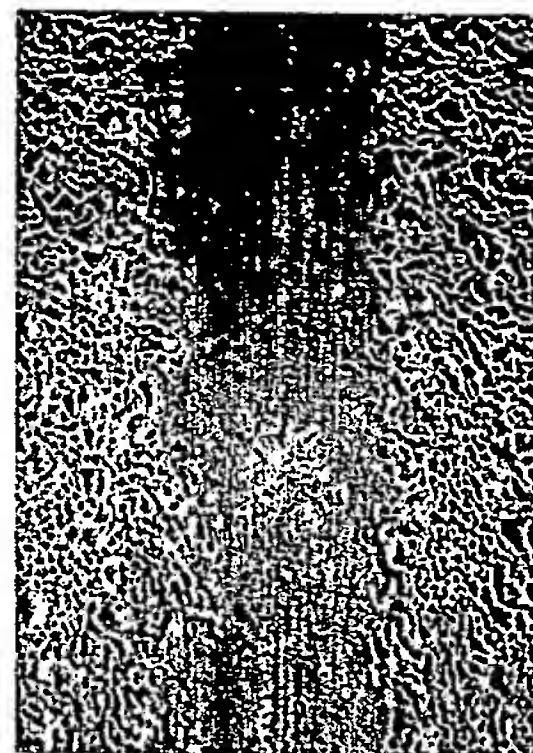
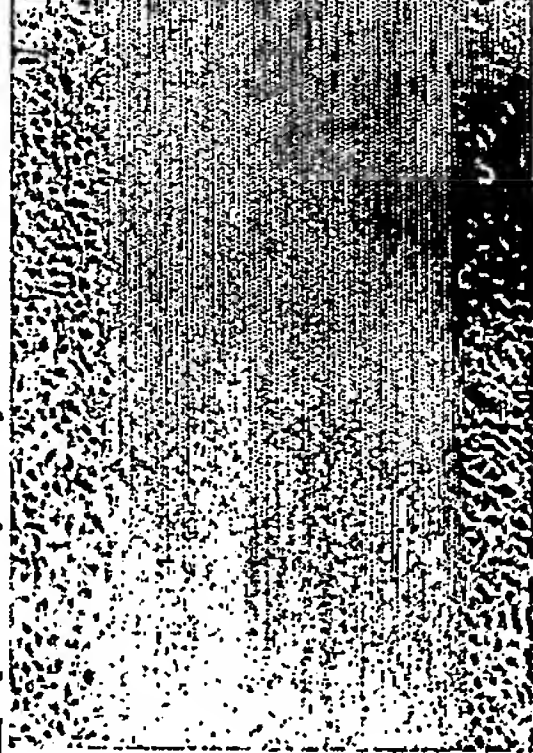
Day 3



Day 4



1 (1.3 µM) + GRN163 (10 µM)



1 (1.3 µM) + GRN137227 (10 µM)

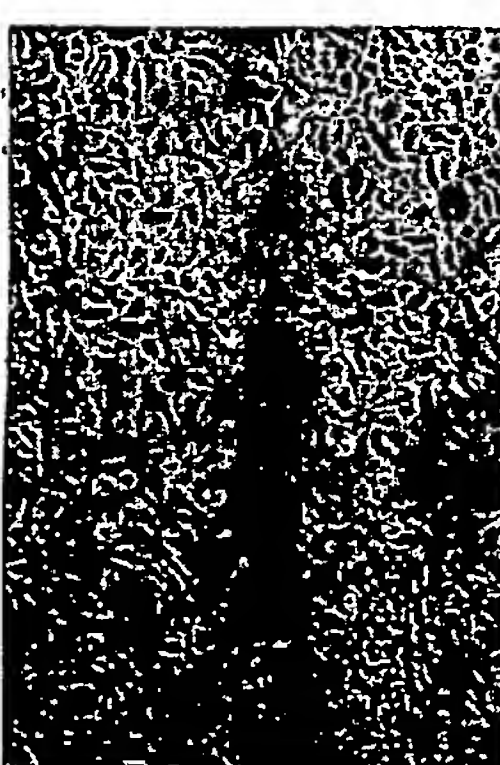
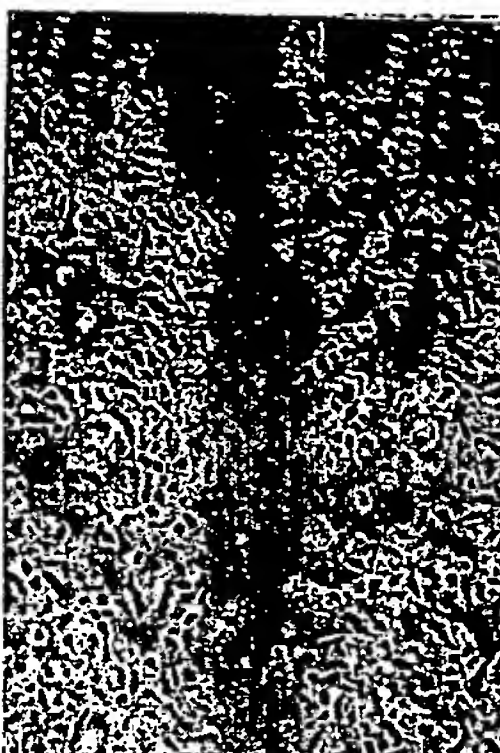
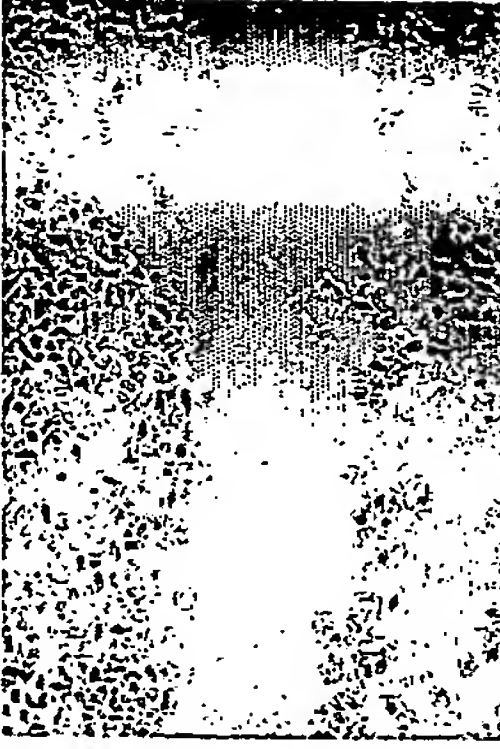
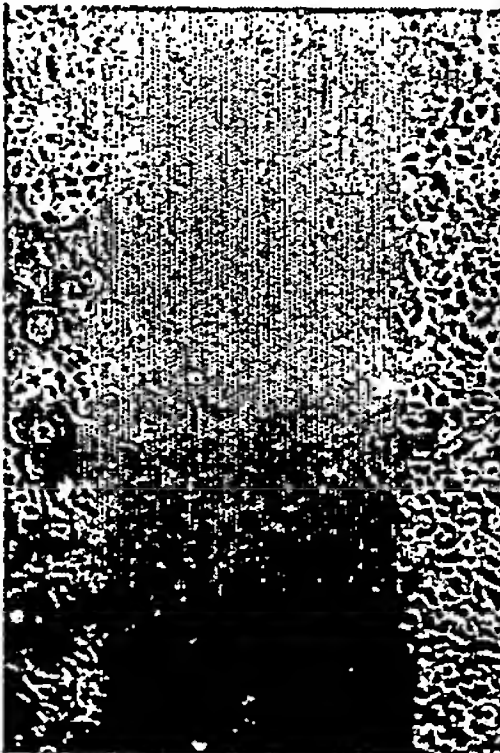


Fig. 6

Wound Healing in Aging Keratinocytes (HEKn-P PD44)

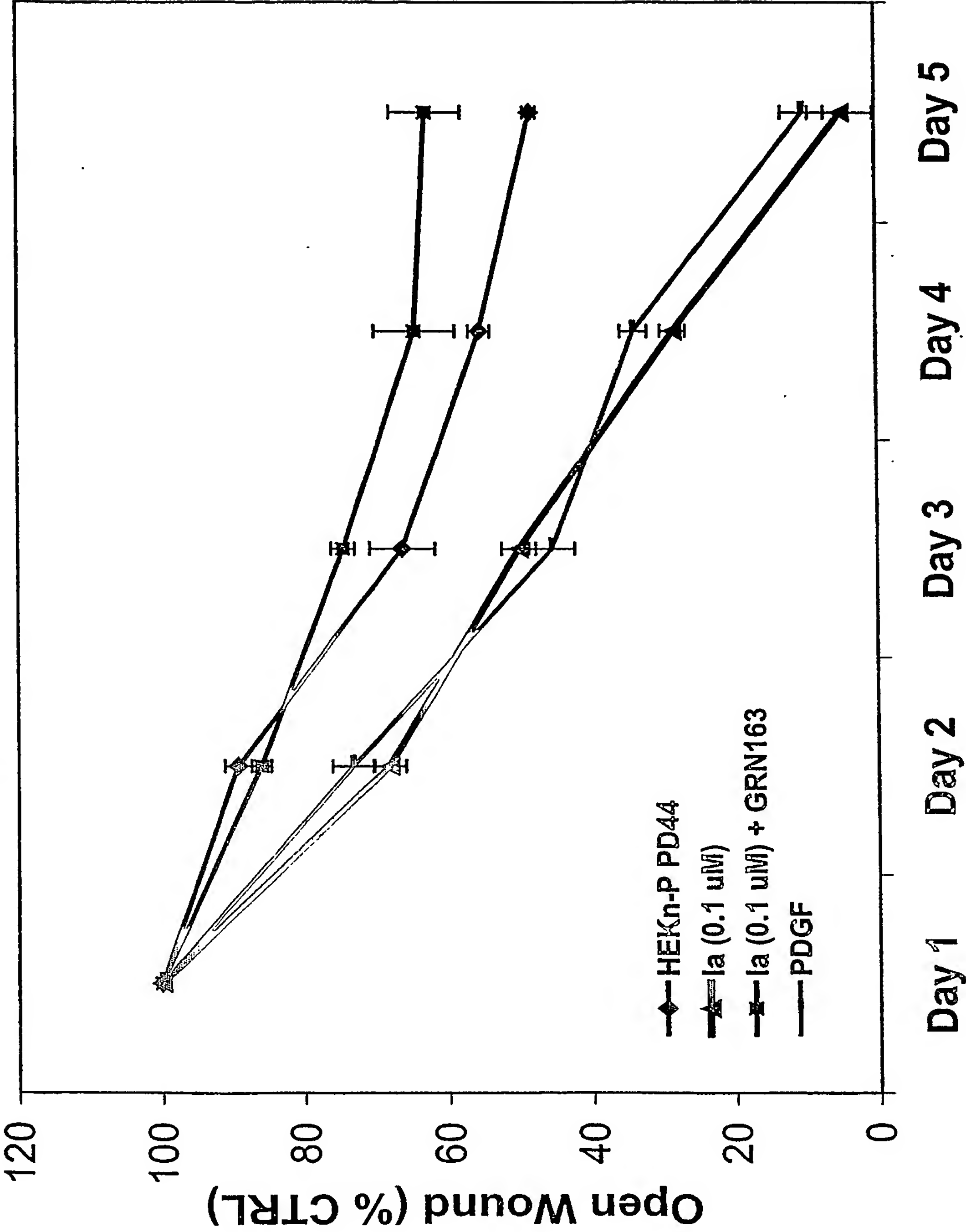


Fig. 7